



# IBM Object REXX for Windows V2R1 – Object-Oriented Programming for Beginners to Advanced Users

## Overview

IBM Object REXX V2.1 is a scripting language for Windows™ 98, Windows Me, Windows 2000, and Windows NT™. It is IBM REXX-compatible, ANSI-standard compliant, and object-oriented.

## Features

- Suitable for solving small automation problems and developing fully realized applications
- Includes a rich set of system interfaces
- Can be used for writing powerful command procedures for Windows
- Includes the complete Object REXX Interpreter
- Runs immediately without compilation or linkage
- Can develop and debug Object REXX applications, including GUIs (Development Edition)

## Highlights

- Support for:
  - Windows 2000 and Windows Me
  - OLE/ActiveX
  - Windows Scripting Host
- UNICODE conversion functions
- New Runtime for the Development Edition included to redistribute for tokenized Object REXX programs

## Key Prerequisites

- Development Edition:
  - CD-ROM drive
  - 15 MB free disk space for the program
  - 3 MB free disk space for online documentation
  - IBM-compatible, Pentium™, or higher
- Interpreter Edition:
  - CD-ROM drive
  - 3.5 MB free disk space for the program
  - 1.5 MB free disk space for online documentation
  - IBM-compatible, Pentium, or higher

## Planned Availability Dates

- March 23, 2001: Lotus®
- March 30, 2001: IBM

## At a Glance

Object REXX Version 2.1 highlights include:

- Works with new Windows 2000 functions:
  - Windows Terminal Server
  - Multiple monitors
  - Support of dynamic storage
  - Distributed File System
  - Spanned Volumes
- Supports Windows Scripting Host
- Supports OLE/ActiveX automation
- A new free Runtime for redistribution of tokenized Object REXX programs
- Supports UNICODE functions
- A new mathematical function package

### For ordering, contact:

Your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at

**800-IBM-CALL**

Reference: SE001

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## Description

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Object REXX is a versatile, free-format language for beginners to experienced programmers. Object REXX offers:

- Powerful functions
- The ability to issue commands to multiple environments

Object REXX allows object-oriented and conventional programming using Object REXX procedural instructions.

Programs written in Object REXX:

- Are easy to read and write
- Contain instructions with common English words
- Run without further compile or transform steps
- Have many programming interfaces to existing applications such as:
  - TCP/IP
  - Sockets
  - FTP
  - C

Object REXX has sophisticated, structured, programming constructs:

- SELECT and DO loops
- IF-THEN-ELSE branching
- Subroutine calls
- Procedure calls
- Function calls
- Stems and compound variables
- Supports HOST commands to the operating system

It provides:

- Superior array handling
- High-precision arithmetic functions
- Many built-in functions

Because variable or constant names can be up to 250 bytes long, you can use meaningful names rather than abbreviations. You can also run changes and test them immediately.

Object REXX supports object-oriented concepts like:

- Classes
- Objects
- Methods
- Messaging and polymorphism
- Inheritance and multiple inheritance

The inheritance concepts of Object REXX support metaclasses and mix-in classes. In addition to defining object methods, class methods can also be defined. Object REXX defines static and dynamic methods, which makes it highly flexible even at run time. Object REXX is suitable for novice programmers, especially in object-oriented programming, since no time is lost struggling with:

- The programming environment
- Compile steps
- Type steps
- Type definitions
- A complex syntax

It is also suitable for professional developers because of programming interfaces to other Windows applications. Programmers can use Object REXX to prototype object-oriented designs easily and quickly. Typical tasks for Object REXX range from small automation steps to fully realized applications.

## *Euro Currency*

These programs are not impacted by euro currency.

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## Product Positioning

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Object REXX for Windows is the IBM REXX scripting solution in the Windows environment. By providing Object REXX for Windows, IBM protects the investment of REXX customers in the form of millions of lines of REXX program code. Object REXX for Windows enables REXX programmers to port their REXX programs to the Windows environment in an easy and effective way. Object REXX for Windows is the ideal language for developers to learn object-oriented programming. Object REXX for Windows is an ideal clue for a wide range of existing tasks from a simple script to a database application.

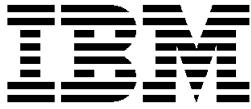
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# IBM US Announcement Supplemental Information

March 20, 2001

## Offering Information

Product information is available through Offering Information (OITool) at:

<http://www.ibm.com/wwoi>

## Publications

The following publications are available after the planned availability date. To order, contact your IBM representative.

Description	Order Number
Object REXX Programming Guide	SH12-6726
Object REXX Reference	SH12-6725
Object REXX OO Dialog Method Reference	SH12-6727

The CD-ROM includes all books in English in Acrobat Reader (PDF) format and Postscript (PS) format. The Japanese CD-ROM includes all books in Japanese in Acrobat Reader (PDF) format.

**Displayable Softcopy Publications:** The displayable manuals are part of the basic machine-readable material. The files are shipped on the same media type as the basic machine-readable material.

These displayable manuals are available as displayable .PDF files (Acrobat Reader) or as PostScript files as part of the basic machine-readable material and online readable helpfiles.

The program package does not include program documentation in hardcopy.

## Technical Information

### Hardware Requirements

- Development Edition:
  - CD-ROM drive
  - 15 MB free disk space for the program
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  - IBM-compatible, Pentium™, or higher
- Interpreter Edition:
  - CD-ROM drive
  - 3.5 MB free disk space for the program
  - 1.5 MB free disk space for online documentation
  - IBM-compatible, Pentium, or higher

**Software Requirements:** Windows™ 2000, Windows Me, Windows 98, or Windows NT™ 4.0

## Planning Information

**Packaging:** IBM program package is distributed in one package with the following:

- Proof of Entitlement (PoE)
- CD-ROM, U.S. English
- Customer service and support card

**Note:** The program package does not include program documentation in hardcopy form. This program, when downloaded from a Web site, contains the applicable IBM license agreement, and License Information (LI), if appropriate and will be presented for acceptance at the time of installation of the program. The license and LI will be stored in a directory such as LICENSE.TXT for future reference.

## Ordering Information

Object REXX for Windows V2.1 includes a CD-ROM in English for the Windows operating system and no hardcopy publications. It is a programming language under Windows platforms on workstations.

To order Object REXX for Windows V2.1, select the program package charge (1 Install included). For additional installs, order the Install entitlement in the quantity needed.

The price model of Object REXX for Windows V2.1 has a one-time charge (OTC) unit.

### Passport Advantage

Description	Part Number
<b>Object REXX for Windows V2.1</b>	
English Media Package Development Edition	BA82SIE
English Documentation Package Development Edition	BA86HIE
English Media Package Interpreter Edition	BA82TIE
English Documentation Package Interpreter Edition	BA86IIE
Japanese Media Package Interpreter Edition	BA82TJA
VPO Instl Object REXX Win Development 1 install	D05U6ML
VPO Instl/SW Sub Object REXX Win Development 1 install	
1 Anniv	D181MML
2 Anniv	D181NML

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

Description	Part Number
VPO SW Sub Rnwl Object REXX Win Development 1 install	E067RML
VPO SW Sub Object REXX Win Development 1 install	
1 Anniv	D1824ML
2 Anniv	D1826ML
CO Instl/SW Sub Object REXX Win Development 1 install	
1 Anniv	D1828ML
2 Anniv	D182AML
CO SW Sub Rnwl Object REXX Win Development 1 install	E068JML
CO SW Sub Object REXX Win Development 1 install	
1 Anniv	D1825ML
2 Anniv	D182GML
CO Supt Object REXX Win Development 1 flat	
1 Anniv	AR60HML
2 Anniv	AR64BML
VPO Instl Object REXX Win Development 1 install	D05U5ML
VPO Instl/SW Sub Object REXX Win Development 1 install	
1 Anniv	D181PML
2 Anniv	D181QML
VPO SW Sub Rnwl Object REXX Win Installer 1 install	E067UML
VPO SW Sub Object REXX Win Installer 1 install	
1 Anniv	D182SML
2 Anniv	D182UML
CO Instl/SW Sub Object REXX Win Installer 1 install	
1 Anniv	D181UML
2 Anniv	D181VML
CO SW Sub Rnwl Object REXX Win Installer 1 install	E0680ML
CO SW Sub Object REXX Win Installer 1 install	
1 Anniv	D182YML
2 Anniv	D182ZML
CO Supt Object REXX Win Installer 1 flat	
1 Anniv	AR60IML
2 Anniv	AR64CML

Description	Program Number	Part Number
<b>Object REXX for Windows V2.1</b>		
Development Edition	5639-M68	0791028
Per Install		0791029
Interpreter Edition	5639-M69	0791030
Per Install		0791031

**Withdrawal of Previous Passport Advantage Part Numbers:** The following Passport Advantage part numbers are being replaced or made obsolete by this announcement. The effective withdrawal date is June 30, 2001.

Orders for these part numbers will not be accepted after the stated effective date of withdrawal, nor will normal marketing activities or educational support be available unless previous agreement exists between the customer and IBM.

Description	Part Number
<b>Object REXX for Windows</b>	
Interpreter Edition V1.1 Advantage Media Pack	BA8P6NA
Development Edition V1.1 Advantage Media Pack	BA8P4NA
Interpreter Edition V1.1 Advantage Media Pack — Japanese	25L9159

Description	Feature Number
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### Initial Shipments

Ship media only (suppresses initial shipment of documentation)	3470
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## Terms and Conditions

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**Licensing:** IBM International Program License Agreement. PoEs are required for all authorized use.

### License Information Form Number

- L-UBER-4S7FZ2: 5639-M68
- L-UBER-4SZKT5: 5639-M69

**Limited Warranty Applies:** Yes

**Program Services:** Available until March 30, 2006

**Money-Back Guarantee:** 30-day, money-back guarantee

**Copy and Use on Home/Portable Computer:** No

**Volume Orders (IVO):** No

**Passport Advantage Applies:** Yes

**Passport Advantage Subscription Applies:** Yes

**Support Line:** No

**Other Support:** Object REXX Web site

**AIX®/UNIX® Upgrade Protection Applies:** No

**Entitled Upgrade for Current AIX/UNIX Upgrade Protection Licensees:** No

**AS/400® Software Subscription Applies:** No

**Variable Charges Apply:** No

**Educational Allowance Available:** 15% education allowance applies to qualified education institution customers.

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## Prices

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Description	Part Number	Feature Number	IBM List Price <sup>1</sup>
<b>PID number: 5639-M68</b>			
Program Package with 1 Install	0791028	0001	\$299
Per Install	0791029	0002	289
<b>PID number: 5639-M69</b>			
Program Package with 1 Install	0791030	0001	75
Per Install	0791031	0002	65

<sup>1</sup> IBM price; does not include tax or shipping and is subject to change without notice. Reseller prices may vary.

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